

# NAUFAL NASHIF IMANUDDIN

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[Website](#) | [LinkedIn](#) | [Github](#) | [Leetcode](#) | [Tableau Public](#)

## SUMMARY

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A certified PCAP-31-03 Associate Python Programmer and Data Enthusiast with a degree in Statistics and Data Science from IPB University. Currently working as a Data Generalist at OJK, with 2 years of experience across data engineering, analytics, cloud, and AI/ML. Skilled in Python, SQL, Tableau, GCP, Docker, and more—transforming data into clear, impactful insights through smart pipelines, automation, and visual storytelling.

## EDUCATION

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### IPB University

*Bachelor's Degree in Statistics and Data Science (2019 - 2023)*

I recently completed my bachelor's degree, focusing on Twitter sentiment analysis. I developed a specialized Natural Language Processing (NLP) model for this purpose and implemented it in a web application. Additionally, I have made valuable contributions through both organizational and committee experiences, including:

- Surveyor for Human Development Index (HDI) Statistics Department in collaboration with the Government of Bekasi City, Depok City, and Bandung Regency (2023)
- Head of Media and Branding Division, Junior Statistics Competition (2022)
- Media & Operations Committee, International Conference on Statistics and Data Science (ICSIDS 2022)
- Staff of Media and Branding Division, Departmental Student Association (2021)
- Staff of Media and Branding Division, Pekan Olahraga Statistika (PORSTAT 2020)

### SMA Negeri 1 Kroya

*Mathematics and Natural Sciences (2016 - 2019)*

Actively involved in student organizations such as OSIS and Pramuka. Participated in Mathematics Olympiads (OSN) and was selected as Cilacap Digital Tourism Ambassador in 2018.

## PROJECT

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### Superstore Dashboard Analysis

*Tools : Tableau, Figma*

[Demo](#)

- Implemented descriptive analytics, forecasting, market basket analysis, and customer retention analysis.
- Designed the dashboard to be user-friendly using Figma and visually engaging for exploratory data analysis.

### Real-Time Video Analytics with YOLOv8

*Tools : Python, Roboflow, Ultralytics, Supervision, Streamlit, OpenCV*

[Demo](#)

- Built a real-time object detection system using the YOLOv8 deep learning model.
- Processed video input with OpenCV and annotated datasets via Roboflow.
- Integrated Ultralytics and Supervision libraries, and deployed the prototype through an interactive Streamlit interface.

### Web Scraping & Sentiment Analysis with IndoBERT

*Tools : Python, Streamlit, FastAPI, Transformers*

[Demo](#)

- Created a full-stack web application to scrape news articles and tweets and classify sentiment using a fine-tuned IndoBERT model.
- Developed the backend with FastAPI and the frontend with Streamlit.
- Built an interactive dashboard for monitoring and visualizing sentiment analysis results.

### End to End Machine Learning NLP Sentiment Analysis (Thesis)

*Tools : Python, RegEx, NLTK, Scikit-learn, Streamlit*

[Demo](#)

- Data collection, preprocessing and EDA +4000 tweets from Twitter
- Build ensemble model with three base classifiers (Multinomial Logistic Regression, Multinomial Naïve Bayes, and Random Forest)
- Model deployment (using Streamlit framework and deploy on Huggingface)

### Build Portfolio Website

*Tools : Html, CSS, Javascript, Github*

[Demo](#)

- Designed and deployed a responsive portfolio website to showcase personal projects, blog posts, and contact information.
- Utilized GitHub Pages and Netlify for hosting and continuous deployment.

## EXPERIENCE

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### Financial Services Authority (OJK)

*Research Fellow – Data Generalist (May 2025 - Now)*

- Conducting research on data governance, master data management (MDM), data integration, and data transformation
- Developing dashboards using Tableau
- Exploring cloud computing with Azure, including AI/ML, text processing, and generative AI applications

### PT Cybertrend Intrabuana - Cybertrend Graduate Trainee

*Tableau Developer, Data Management & Integration Associate Consultant (March 2024 - April 2025)*

- Working as a Consultant at **PT Telkomsel Tbk, PT Timah Tbk and Lintasarta**
- Completed one-month intensive training in communication, data analytics, data engineering, database management, and project management with Cybertrend Graduate Trainee program.
- The tools I used are ETL tools, DBMS, Tableau, dan Power BI.

### Digitalent Komdigi - Fresh Graduate Academy (FGA)

*Bootcamp Big Data Using Python (Juni 2024 - October 2024)*

- Completed intensive training in Python for data analysis, data manipulation, and visualization.
- Built interactive dashboards and front-end applications using Streamlit.
- Developed and deployed RESTful backend services using FastAPI.
- Gained hands-on experience in building full-stack data applications using Python.

### PT Ruang Raya Indonesia - Ruangguru Camp

*Backend Engineering Bootcamp (January 2023 - July 2023)*

- Learned basic frontend development using HTML, CSS, JavaScript, and Tailwind CSS
- Built backend systems using Go programming language
- Worked with SQL and NoSQL databases
- Performed API testing using Postman
- Practiced version control with Git and GitHub

### PT Xquisite AI - Intern

*Data Specialist Intern (September 2022 - December 2022)*

- Specialized in Python-based OCR for PDF data extraction and conversion.
- Key role in Azure Databricks data rollout.
- Contributed to Power BI dashboard modifications.

## CERTIFICATION

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### PCAP-31-03 Associate Python Programmer

*Python Institute (Issued on November 22, 2024)*

[CERT](#)

### Google Cloud Skill Boost Badges

*Google Cloud Skill Boost (Issued on February, 2025)*

[CERT](#)

### Databricks Fundamentals

*Databricks (Issued on June, 2024)*

[CERT](#)

### Finalist Infographic Competition at UNSYIAH 2020

*Universitas Syiah Kuala (Issued on October, 2020)*

[CERT](#)